

Attorney Docket No.: UMD-0024  
Inventors: Black and Woodbury  
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This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-50 (canceled).

Claim 51 (new): A method of inducing differentiation of an isolated marrow stromal cell into an insulin secreting pancreatic islet cell comprising contacting an isolated marrow stromal cell with at least one antioxidant, thereby inducing differentiation of said isolated marrow stromal cell into an endodermal/neuronal precursor cell and contacting said endodermal/neuronal precursor cell with at least one growth factor thereby inducing an insulin secreting pancreatic islet cell.

Claim 52 (new): A method of producing an isolated insulin secreting pancreatic islet cell comprising isolating a marrow stromal cell, contacting said isolated marrow stromal cell with at least one antioxidant, thereby inducing differentiation of said isolated marrow stromal cell into an endodermal/neuronal precursor cell and contacting said endodermal/neuronal precursor cell with a growth factor thereby producing an insulin secreting pancreatic islet cell.